

AMENDMENTS TO THE CLAIMS

1. (currently amended) A method for performing a wireless interactive transaction using a wireless telephone handset comprising the steps of:

forming a digitally coded query signal which is separate from an audio-band content to be broadcast;

converting said digitally coded query signal into an audio-band ~~modulated~~ query signal;

injecting said audio-band query signal into said audio-band content to produce a combined audio-band signal;

transmitting said combined audio-band ~~modulated~~ query signal on an audio channel;

receiving said combined audio-band ~~modulated~~ query signal from said audio channel by a device which is separate from the wireless telephone handset;

conveying said received combined audio-band ~~modulated~~ query signal from said separate device to said wireless telephone handset;

processing said combined audio-band ~~modulated~~ query signal to conveyed from said separate device at the wireless telephone handset to reproduce the digitally coded query signal and to decode instructions coded therein when forming said digitally coded query signal; and

controlling said wireless telephone handset to respond to said decoded instructions.

2. (original) The method for performing a wireless interactive transaction according to claim 1, wherein said decoded instructions include a response telephone number and said step of controlling controls said wireless telephone handset to initiate a telephone call to said response telephone number.

3. (original) The method for performing a wireless interactive transaction according to claim 1, wherein said step of controlling controls said wireless telephone handset to respond to said decoded instructions after a predetermined action by a user.

4. (original) The method for performing a wireless interactive transaction according to claim 3, wherein said decoded instructions include user instructions, and said step of controlling controls said wireless telephone handset to display said user

instructions and to respond to said decoded instructions when said user responds to said displayed user instructions.

5. (currently amended) The method for performing a wireless interactive transaction according to claim 1, wherein an alerting signal is produced when said combined audio-band modulated query signal is conveyed to said wireless telephone handset.

6. (original) The method for performing a wireless interactive transaction according to claim 1, wherein said decoded instructions include instructions to send a pre-determined digital message to a particular destination and said step of controlling controls said wireless telephone handset to send said digital message.

7. (currently amended) The method for performing a wireless interactive transaction according to claim 1, wherein said conveying of said combined audio-band modulated query signal to said wireless telephone handset is comprised of the steps of:

producing an acoustic query signal from said received combined audio-band modulated query signal; and

detecting and converting to an audio-band signal said acoustic query signal by said wireless telephone handset.

8. (currently amended) The method for performing a wireless interactive transaction according to claim 1, wherein said conveying of said combined audio-band modulated query signal to said wireless telephone handset is by electronic connection.

9. (currently amended) A method for performing a wireless interactive transaction using a wireless telephone handset comprising the steps of:

forming a digitally coded query signal of predetermined length and format and converting said digitally coded query signal into an audio-band modulated query signal by an electronic device;

conveying said audio-band modulated query signal to said wireless telephone handset;

processing said audio-band modulated query signal to decode instructions coded in the digitally coded query signal when forming said digitally coded query signal; and

controlling said wireless telephone handset to respond to said decoded instructions.

10. (original) The method for performing a wireless interactive transaction according to claim 9, wherein said decoded instructions include a response telephone number and said step of controlling controls said wireless telephone handset to initiate a telephone call to said response telephone number.

11. (original) The method for performing a wireless interactive transaction according to claim 9, wherein said step of controlling controls said wireless telephone handset to respond to said decoded instructions after a predetermined action by a user.

12. (original) The method for performing a wireless interactive transaction according to claim 11, wherein said decoded instructions include user instructions, and said step of controlling controls said wireless telephone handset to display said user instructions and to respond to said decoded instructions when said user responds to said displayed user instructions.

13. (currently amended) The method for performing a wireless interactive transaction according to claim 9, wherein an alerting signal is produced when said audio-band ~~modulated~~ query signal is conveyed to said wireless telephone handset.

14. (original) The method for performing a wireless interactive transaction according to claim 9, wherein said decoded instructions include instructions to send a pre-determined digital message to a particular destination and said step of controlling controls said wireless telephone handset to send said digital message.

15. (currently amended) The method for performing a wireless interactive transaction according to claim 9, wherein said conveying of said audio-band ~~modulated~~ query signal to said wireless telephone handset is comprised of the steps of:

producing an acoustic query signal from said audio-band ~~modulated~~ query signal; and

detecting and converting to an audio-band signal said acoustic query signal by said wireless telephone handset.

16. (currently amended) The method for performing a wireless interactive transaction according to claim 9, wherein said

conveying of said audio-band modulated query signal to said wireless telephone handset is by electronic connection.

17. A system for performing a wireless interactive transaction using a wireless telephone handset, comprising the steps of:

an interface for forming a digitally coded query signal which is separate from an audio-band content to be broadcast and converting said digitally coded query signal into an audio-band modulated query signal;

a subsystem for injecting said audio-band query signal into said audio-band content to produce a combined audio-band signal;

a transmitter for transmitting said combined audio-band modulated query signal on an audio channel;

a receiver for receiving said combined audio-band modulated query signal from said audio channel by a device which is separate from the wireless telephone handset;

a device for conveying said received combined audio-band modulated query signal from said separate device to said wireless telephone handset; and

a microcomputer included in said wireless telephone handset for processing said combined audio-band modulated query signal to conveyed from said separate device to reproduce the digitally coded query signal and to decode instructions coded therein when forming said digitally coded query signal and for controlling said wireless telephone handset to respond to said decoded instructions.

18. (original) The system for performing a wireless interactive transaction according to claim 17, wherein said decoded instructions include a response telephone number and said microcomputer controls said wireless telephone handset to initiate a telephone call to said response telephone number.

19. (original) The system for performing a wireless interactive transaction according to claim 17, wherein said microcomputer controls said wireless telephone handset to respond to said decoded instructions after a predetermined action by a user.

20. (original) The system for performing a wireless interactive transaction according to claim 19, wherein said decoded

instructions include user instructions, and said microcomputer controls said wireless telephone handset to display said user instructions and to respond to said decoded instructions when said user responds to said displayed user instructions.

21. (currently amended) The system for performing a wireless interactive transaction according to claim 17, wherein an alerting signal is produced when said combined audio-band modulated query signal is conveyed to said wireless telephone handset.

22. (original) The system for performing a wireless interactive transaction according to claim 17, wherein said decoded instructions include instructions to send a pre-determined digital message to a particular destination and said microcomputer controls said wireless telephone handset to send said digital message.

23. (currently amended) The system for performing a wireless interactive transaction according to claim 17, wherein said device for conveying said combined audio-band modulated-query signal to said wireless telephone handset produces an acoustic query signal from said received combined audio-band modulated-query signal, and said wireless telephone handset detects and converts to an audio-band signal said acoustic query signal.

24. (currently amended) The system for performing a wireless interactive transaction according to claim 17, wherein said device for conveying said combined audio-band modulated-query signal to said wireless telephone handset is an electronic connection.

25. (currently amended) A system for performing a wireless interactive transaction using a wireless telephone handset, comprising the steps of:

an interface for forming a digitally coded query signal of predetermined length and format and converting said digitally coded query signal into an audio-band modulated query signal;

a device for conveying said audio-band modulated query signal to said wireless telephone handset; and

a microcomputer included in said wireless telephone handset for processing said audio-band modulated query signal to decode instructions coded in the digitally coded query signal when forming said digitally coded query signal and for controlling said wireless telephone handset to respond to said decoded instructions.

26. (original) The system for performing a wireless interactive transaction according to claim 25, wherein said decoded instructions include a response telephone number and said microcomputer controls said wireless telephone handset to initiate a telephone call to said response telephone number.

27. (currently amended) The system for performing a wireless interactive transaction according to claim 25, wherein said microcomputer ~~controlling~~ controls said wireless telephone handset to respond to said decoded instructions after a predetermined action by a user.

28. (currently amended) The system for performing a wireless interactive transaction according to claim 27, wherein said decoded instructions include user instructions, and said microcomputer ~~controlling~~ controls said wireless telephone handset to display said user instructions and to respond to said decoded instructions when said user responds to said displayed user instructions.

29. (currently amended) The system for performing a wireless interactive transaction according to claim 25, wherein an alerting signal is produced when said audio-band ~~modulated~~ query signal is conveyed to said wireless telephone handset.

30. (currently amended) The system for performing a wireless interactive transaction according to claim 25, wherein said decoded instructions include instructions to send a pre-determined digital message to a particular destination and said microcomputer ~~controlling~~ controls said wireless telephone handset to send said digital message.

31. (currently amended) The system for performing a wireless interactive transaction according to claim 25, wherein said device for conveying said audio-band ~~modulated~~-query signal to said wireless telephone handset produces an acoustic query signal from said audio-band ~~modulated~~ query signal and said wireless telephone handset detects and converts to an audio-band signal said acoustic query signal.

32. (currently amended) The system for performing a

wireless interactive transaction according to claim 25, wherein said device for conveying said audio-band modulated query signal to said wireless telephone handset is an electronic connection.